Pioneer Floating Rate Trust Form N-PX August 25, 2008

> UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM N-PX ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-21654

Pioneer Floating Rate Trust

(Exact name of registrant as specified in charter)

60 State Street Boston, MA 02109

(Address of principal executive offices)

Dorothy Bourassa 60 State Street Boston, MA 02109

(Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: November 30

Date of reporting period: July 1, 2007 to June 30, 2008

SIGNATURES

Pursuant to the requirements of the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Pioneer Floating Rate Trust

By (Signature and Title) /s/ John F. Cogan, Jr.

John F. Cogan, Jr., Chairman and President

Date August 19, 2008

MIRANT CORP

Ticker:MIR.XASecurity ID: 60467R100Meeting Date:MAY 7, 2008Meeting Type: AnnualRecord Date:MAR 10, 2008

#ProposalMgt RecVote CastSponsor1.1ElectDirector Thomas W. CasonForForManagement

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1.2	Elect	Director A.D. (Pete) Correll	For	For	Management
1.3	Elect	Director Terry G. Dallas	For	For	Management
1.4	Elect	Director Thomas H. Johnson	For	For	Management
1.5	Elect	Director John T. Miller	For	For	Management
1.6	Elect	Director Edward R. Muller	For	For	Management
1.7	Elect	Director Robert C. Murray	For	For	Management
1.8	Elect	Director John M. Quain	For	For	Management
1.9	Elect	Director William L. Thacker	For	For	Management
2	Ratify	Auditors	For	For	Management

====== END NPX REPORT